bliss mobil

Based in Breda, the Netherlands, **Bliss Mobil BV** was founded in 2012. Bliss Mobil BV is an **innovative** and **solution** driven company, **inspired** by a wealth of personal **adventurous travelling** experiences.

Our goal from the start was to construct **expedition** vehicles differently, more efficiently, in small series, equipped to **latest technology** and at a reasonable price.

To achieve these **goals**, we have developed innovative, totally **self-contained units** for different target groups and varying budgets, but all with the same **passion** for **independent** global **travelling**.

Philosophy

The Freedom of Independence;
availability without compromise
Our mission is to construct expedition vehicles with global and unrestricted qualifications to travel the extremes in absolute freedom. In our philosophy true independence is defined by energy availability to run all essential functionalities without compromise. Furthermore the large availability of clean water, as well as the safe storage of fresh food enables travelling for extended periods.

Our infrastructure has been designed to ensure global travelling supported to the limits of adverse climate conditions. Even more unique in this definition of true independence are the extended possibilities of shipping and storage, due to the unique Bliss Mobil steel framed body, which can be transported independent from the truck.

Standardisation & small series production;
most complete, at a competitive price
All constructive features of the Bliss Mobil expedition vehicle are developed in-house and thoroughly tested before being incorporated in the standard. The engineering and calculation into every detail of the 3D designed infrastructure allows us to optimise requirements and specifications. The standardisation and small series production minimise construction time and limit costs significantly. We garantee a fixed price and delivery with clear specifications.

Innovative Technology for safe operations
Bliss Mobil not only makes a thorough engineering and 3D- designing before even starting the construction to make sure that balance and weight are optimal and that the body is equipped to latest technology. Development is a continuous process where we closely work together with our suppliers, to achieve the best standard possible implying the build in of solutions to prevent failures and dangerous situations.

The Bliss Mobil body

The steel frame; robustness and strength
Every Bliss Mobil model has a self-supporting steel frame which is engineered to retain its strength even in the most extreme conditions and temperatures. The steel frame offers maximum protection against impact, torsion or even in the unlikely event of rolling over. Resultantly, the body is robust, perfectly stable and ready for every challenge.

The steel frame with twist lock corner casting enables fitting or attaching straightforward constructions such as spare tyres at the back, storage boxes, a garage with automated lift platform, a motorcycle carrier or a mountable terrace on the roof.

The entire body is thermal bridge free. All the thermal bridges throughout the interior of the vehicle are insulated using aerogel and finished with polyester trimming. Aerogel is amongst the most high quality insulation materials available, making sure condensation is eliminated.

- Solar panels are well protected on the lowered roof
- Easy fitting/attaching additional constructions and accessories
- The entire body is thermal bridge free

The body; all in one box
The 60 mm sandwich walls ensure high quality insulation in the most extreme temperature conditions. The inside height of 2100 mm (23, 20, 18 foot) / 2000 mm (15, 13, 11 foot) together with the large windows and overhead hatches providing a bright, spacious interior to let you enjoy outside views. The body with all essential functionalities has been designed like a container, with therefore all functionalities safely and secured stored inside the box.

A torsion free sub-frame
Bliss Mobil engineers its own sub-frames. The sub-frame provides a torsion-free connection between the body and the truck chassis. Carefully engineered, robust and with a low profile, the importance of the sub-frame is often underestimated. Bliss Mobil opted for a 4 point so-called “diamond shape”, with 3 axes. Two longitudinal and one transverse.

This set-up can withstand high torsional forces, hence guaranteeing strong body protection. Together with the steel frame construction the risk of damage to the body due to impact and torsion forces is virtually reduced to zero. A great advantage compared to the traditional fixed constructions.

- The robust sub-frame absorbs high torsion forces
- Officially approved by leading truck manufacturers
- Improves the driveability and handling in terrain

Robust steel frame with twist lock corner casting

Torsion free 4 point diamond shape sub-frame

Thermal bridge free thanks to high quality Aerogel insulation

Frame & sub-frame together reducing the risk of damage

Vehicle independence
By introducing six bodies ranging from 11 to 23 foot dimensions, there is a suitable model for virtually every truck. The nett weight from the 11 to 23 foot body equals from 1900 kg up to 4500 kg. Bliss Mobil is dedicated to find the right solution for every customer, providing recommendations in the selection of the truck and the body and supplying the sub-frame accordingly.

Transportation
Transporting an expedition vehicle around the world can be a challenging and costly operation, if it's possible at all. The self-supporting body is equipped with twist locks at each corner of the body. This allows easy transport by virtually every container truck, train, vessel or even plane.

Due to its dimensions and pre-calculated centre of gravity, the body can be easily handled by an overhead crane or forklift. The 23, 20 & 18 foot body can be shipped as a container. The outer dimensions of the 11, 13 and 15 foot bodies enables fitting inside a standard 20 foot container. This way shipping to all continents is easier and less expensive.

- Easier shipping around the globe
- Larger units are handled as a container
- Smaller units fit inside a standard container

Stand-alone use
The modular concept also offers the possibility of using the Bliss Mobil body as an independent entity. As the steel frame is completely self-supporting, the Bliss Mobil body can be placed on a secure footing or blocks.

This facilitates a wide range of applications, in which the body can remain independent of the truck for a longer period of time. Optional lift jacks can be provided to remove the body manually and easily from the truck and place it anywhere you want.

- Totally self-supporting thanks to the steel frame
- Fully functional without the truck
- Self-sufficient through its own energy supply

Every 11', 13' & 15' Bliss Body fits inside a high cube container

A 18', 20' & 23' Bliss Body can be shipped like a container

The Bliss Mobil Energy Concept

Solar energy; quiet, reliable & clean
The independence while travelling starts with running all appliances on electricity. Quiet and clean solar energy is the cornerstone of every Bliss Mobil. A powerful set of MPPT controlled mono crystalline solar panels comes standard. The set of solar panels generate 800 up to 1700 watt, depending on the number of panels on the roof.

A smart solar controller ensures a maximum wattage output, in order to fully capitalise on the energy supply of the solar panels. Bliss Mobil ensure a reliable operation based on solar energy, backed up by the alternator of the truck. The need for a heavy duty generator has become history. This saves weight, maintenance as well as complexity.

Lithium-ion batteries; powerful, reliable and efficient
Every Bliss Mobil is equipped with 1 or 2 packs (* 8 cells each) of lithium-ion batteries to store large amounts of power reliably and efficiently. Each battery pack aggregate a battery capacity of 400Ah (11 kW). A double battery pack comes standard in the 23, 20, 18 and 15 foot standard models and gives 800 Ah (22 kW) to your disposal.
A double battery pack is optional in the 11 and 13 foot high bed model.

The unique characteristic of the lithium-ion batteries is that they can be discharged up to 85%, as such an overwhelming amount of power is available. Various protection mechanisms are installed to ensure safe and durable operation of the batteries. To ensure the batteries reliability and durability, a high tech Battery Management System (BMS) comes standard.

12V, 24V and 230V system in place
The nominal voltage is 24V. In addition, there is a 12V circuit and a 230 V system in place. In addition to grid charging on 230VAC, 120 VAC charging (USA) is optional.

Truck alternator, a safe backup
All models can be easily connected to the truck's alternator providing a second reliable source of energy generation. The alternator cable is the only cable connecting the vehicle to the body. Optional, a silent and compact mobile generator with remote start can be mounted, providing a third source of power generation.

- The Bliss Mobil is equipped with 12V, 24V, and 230V (optional 110V)
- Everywhere in the Bliss Mobil energy efficient led-lighting is used
- The Bliss Mobil body is connected to the truck with only one power cable

The availability of water most vital

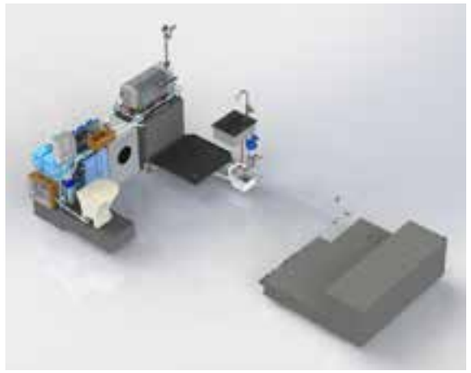
Solid tanks
Both fresh, black and grey water tanks are made of 10 mm HDPE, and welded from the in- as well as the outside. For extra security and strength all tanks are divided in compartments to avoid big water displacements. Over-filling the tanks is prevented by electronic valves which close automatically.

Large fresh water tanks
Independent travelling to remote areas implies securing the first necessity of life: Water. One can never count on the availability of an adequate water supply, either in quantity or in quality. Every Bliss Mobil is equipped with 1 or 2 generous water tanks, depending on the model size. The water tanks are located safely and frost-protected inside the body.

Filtration
To ensure the quality of the water supply filtration units are integrated into the plumbing system. The water passes through a cartridge filter and a UV lamp when filling the tanks. The water from the tanks is filtered again before use by an active carbon filter to ensure the water is safe to drink.

Water from natural sources
Optional we can supply a state of the art water filtration system (high pressure membrane). With this water maker you are able to convert water from natural resources - such as lakes and rivers – into safe drinking water. It is as well possible to collect rainwater on the roof, which can be re-used for safe drinking water. As such, the virtual water capacity far exceeds the capacity of the holding tanks.

- All water tanks are placed inside the vehicle and therefore frost protected
- Filtration units are integrated into the plumbing system
- The positioning of the water tanks ensures a optimal weight balance



Well though over, safe and easy to use water system

Comfort in any climate conditions

Comfort
When travelling in extreme temperature conditions, climate control is essential for your comfort and safety. Therefore the body is entirely thermal bridge free, very well insulated and fitted with multiple heating and cooling options.

Air-conditioning
The air conditioning unit is a light weight under-bench. Performance is up to 2500 Watts at an ambient temperature of between 2°C -and 40°C. It is equipped with three air outlets and controllable air volume. Air conditioning comes standard in every Bliss Mobil.

Heating
The primary heating system of the Bliss Mobil is a multiple circuit electrical floor heating system that covers the entire floor space. One of the circuits goes underneath the garage, the batteries and the water tanks. This way the freezing of water, batteries and equipment in the garage is virtually impossible.

The powerful air-conditioning unit has a 'reverse cycle' so it can function as a backup heating system. A highly efficient diesel heater functions as a third heating system.

- Build for travelling in extreme temperature conditions
- Entirely thermal bridge free body
- Multiple heating options

For more details and specifications, please visit our website: **blissmobil.com**

An optional water maker can convert water from natural resources into safe drinking water.

A fully equipped kitchen

No gaz
The Corian countertop is fitted with a stainless steel sink and tap, and accommodates a four or two-plate induction cooker (model-defined). By cooking electrically, the dependence on potentially dangerous gas bottles is eliminated.

Storage
The possibility of storing and preparing provisions has been giving special attention. For storing daily-use provisions, the refrigerator with a small integrated freezing compartment is suitable for daily use. A high quality freezer box offers space to store food for multiple people over extended periods of time, whilst being energy efficient. Multiple drawers, a cabinet as well as hatches offers space to store your kitchenware and dry food. At request Bliss Mobil will design the layout of the kitchen interior to fit your personal choice kitchenware.

To complete the kitchen like at home a Nespresso coffee maker, a powerful electric oven/grill/microwave, an exhaust hood and a sliding waste bin comes standard.

Fully equipped kitchen in every Bliss Mobil

Safety first

No compromise
In all models, highest priority has been given to safety. True independence means minimising risks. This has been achieved by taking precautions for unforeseen situations which may occur. To this end, we build our bodies with established brands according to well-tested, proven designs; we never compromise on quality.

Design decisions, prevention better than solving
Already in the very first stages of the design we've made numerous decisions to minimise the chance of a potentially dangerous situation occurring. The elimination of gas, all functionalities safely stored and protected inside the body, emergency escape routes via the hatches are examples out of many design decisions made.

New technology provides "a smart body"
By the use of new technology dangerous situations can be prevented. A hazardous situation often occurs when you are not around. A domotics home automation via your tablet gives you the complete monitor and control panel for temperature levels at strategic locations, preventing overheating, the status of the batteries or the footage of the security cameras.

Additional mobility
It's a prerequisite not to get stuck and to be able to solve your problems as quick as possible. The availability of a backup vehicle (ATV bike or motorbike) is essential. The ease to reach and replace critical parts as well as the possibility to switch to backup systems for critical functions enables you to get back functional as quick as possible.

- The possibility to take a spare tyres and backup vehicle assures your mobility at all times
- Easy accessibility of technical equipment for easy repairs and or replacements
- Eliminating the use of gas bottles prevents danger of explosions

A additional vehicle ensures your mobility at all times

For more details and specifications, please visit our website: **blissmobil.com**

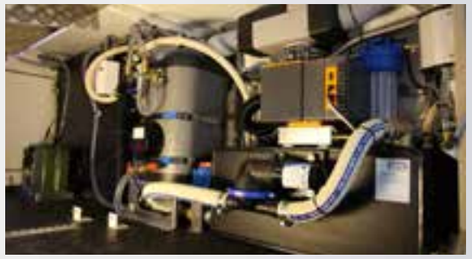
Easy problem solving

Although the Bliss Mobil has numerous technical advanced systems, you don't have to be a technician to operate them. Crucial areas of maintenance are easily and readily accessible. Through the domotics home control system, you can control the electrical components throughout the body using your tablet or smartphone.

Although all electrical appliances can be switched on-off with the domotics home automation, there is a clear and easy backup: the override panel. On this panel everything that is switchable can be switched on off, centrally and well documented.

The standard concept provides a proven concept , includes multiple test cycles before being accepted to the standard and there to be preferable above the one-off build concept. Manuals and FAQ's are provided on tablet with clear schemas and overviews, which can be updated and extended over the period of time to keep our customers up to date.

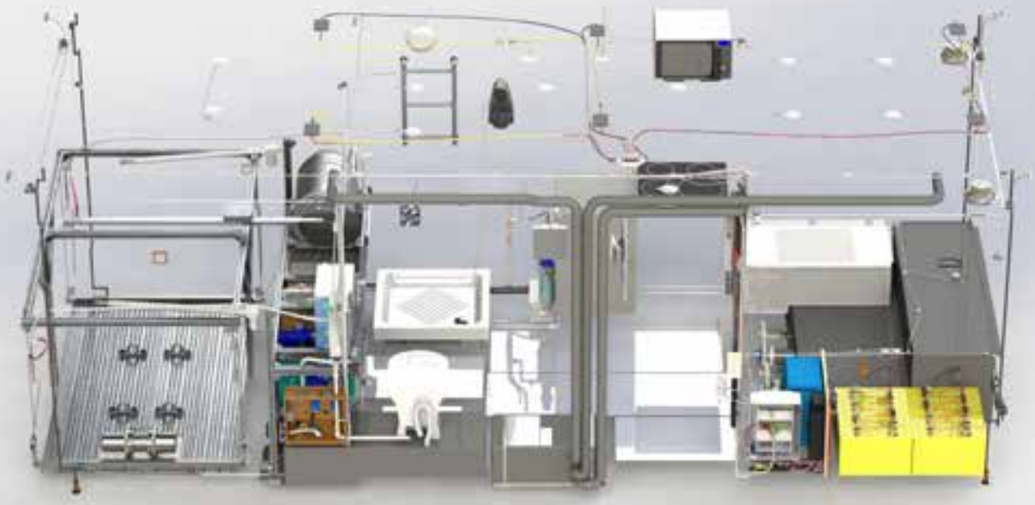
- A Bliss Mobil user manual is available
- Easy accessibility of technical equipment for easy repairs and/or replacements
- Manual override panel as a backup for the domotics home control system.



Organized and easy to maintain systems

Readily accessible garage space

Domotics home automation



A personal interior within the standard concept

6 different body sizes, 10 different models
The inside body provides all the amenities of a home...and more! The versatile, well-thought out design offers a warm and inviting space to spend your travelling days. The interior design is luxurious yet functional and durable, with contemporary yacht design influences. By using solid bamboo panels, Corian and yacht-quality textiles the interior breathes quality and luxury.

There are six truck-independent body sizes from 11 up till 23 foot. Each model has a different layout, which reflects not only personal circumstances and preferences but contains different possibilities. For example we can mention the choice of a quad bike garage, an extra bed and the U–curve seating area . The technical infrastructure is fixed and leading for the choices possible. The concept enables you to choose from different model lay-outs within the same body size, meeting personal preferences. The interior can be further personalized by choosing from several interior finishes, couch fabrics and flooring of your choice.

For more details and specifications, please visit our website: **blissmobil.com**

11 foot

Length: 3.358 mm
Weight: 1.900 kg
Wheelbase: 3.250 mm
People travelling: 2 adults

11 foot Standard
The 11 foot standard body is equipped with two bunk beds, a couch for 2/4 people (convertible into a bed), and a fully equipped kitchen with Corian countertop and integrated induction cooker. The lavatory and bathroom are separated, plus when set at 90 degrees, the door of the shower doubles as a divider between the living and sleeping area.

11 foot High bed
The 11 foot high bed body is equipped with a integrated full-size comfortable double bed which comes down from the ceiling. Its placed above the couch area and can be electrically levelled and lowered down. This way there is enough space for a five person U-shaped couch and a bigger. The toilet and shower are combined in one room which makes the total interior surprisingly spacious.

13 foot

Length: 4.100 mm
Approx weight: 2.300 kg
Wheelbase: 3.200 - 3.800 mm
People travelling: 2 adults

13 foot Standard
The 13 foot standard body is equipped with a fixed full-size comfortable double bed, a couch for up to 4 people (convertible into a bed), and a fully equipped kitchen with Corian countertop and integrated induction cooker. The lavatory and bathroom are separated, plus when set at 90 degrees, the door of the shower doubles as a divider between the living and sleeping area.

13 foot High bed
The 13 foot high bed body is equipped with a in the ceiling integrated full-size comfortable double bed. Its placed above the couch area and can be electrically levelled and lowered down. The interior becomes very spacious and in comparison offers a slightly bigger kitchen and has more storage than the standard 13 foot model.

Standard

High bed

Standard

High bed

15 foot

Length: 4.700 mm
Approx weight: 2.750 kg
Wheelbase: 3.800 - 4.200 mm
People travelling: 2 adults (+2 children)

15 foot Standard
The 15 foot standard body is equipped with a fixed full-size comfortable double bed, a five person U-shaped couch (convertible into a double bed), and a fully equipped kitchen with a spacious countertop with integrated induction cooker. The lavatory and bathroom are separated, plus when set at 90 degrees, the door of the shower doubles as a divider between the living and sleeping area.

15 foot High bed
The 15 foot high bed body is equipped with a in the ceiling integrated full-size comfortable double bed. Its placed above the couch area and can be electrically levelled and lowered down. The interior becomes very spacious and in comparison offers a bigger kitchen and more storage than the standard 15 foot model.

Standard

High bed

18 foot

Length: 5.470 mm
Approx weight: 4.100 kg
Wheelbase: 5.100 mm
People travelling: 3 adults

18 foot Standard
The 18 foot standard body is equipped with a fixed full-size comfortable double bed, a 4-6 person U-shaped couch (convertible into a double bed), and a fully equipped kitchen with a spacious countertop with integrated induction cooker. The lavatory and bathroom are separated, plus when set at 90 degrees, the door of the bathroom doubles as a divider between the living and sleeping areas. Underneath the bed there is a very spacious garage accessible by a large hatch on both left and right hand side of the body.

18 foot Long bed
The 18 foot long bed body is equipped with a fixed full-size comfortable double bed (2.000 x 1.800 mm), a 4-6 person U-shaped couch (convertible into a double bed), and a fully equipped kitchen with a Corian countertop and integrated induction cooker. The lavatory and bathroom are separated, plus when set at 90 degrees, the door of the bathroom doubles as a divider between the living and sleeping areas.

Compared to the 18 foot standard the long bed version has a slightly shorter kitchen which makes space for a larger bed (positioned in length) with a quad garage underneath. At the back you find two steel doors that can hold two spare tyres and which gives you access to the quad garage.

Standard

Long bed

20 foot

Length: 6.096 mm
Approx weight: 4.200 kg
Wheelbase: 5.400 mm
People travelling: 4 adults

20 foot Standard
The 20 foot standard body is equipped with a fixed full-size comfortable double bed, a six-person U-shaped couch (convertible into a double bed), and a fully equipped kitchen with a spacious countertop with integrated induction cooker. The lavatory and bathroom are separated, plus when set at 90 degrees, the door of the shower doubles as a divider between the living and sleeping area.

At the back you will find two steel doors that can hold two spare tyres and which gives you access to the quad garage.

The quad garage is equipped with a automated lift platform. The lift platform is capable of easily loading 500 kg of cargo from the ground into the garage. The garage offers enough storage space for a full-size 4x4 quad.

23 foot

Length: 7.010 mm
Approx weight: 4.800 kg
Wheelbase: 6.700 mm
People travelling: 4-6 adults

23 foot Standard
The 23 foot standard body is equipped with a fixed full-size comfortable double bed, a six-person U-shaped couch (convertible into a double bed), two fixed bunk beds in the front, and a fully equipped kitchen with a spacious countertop with integrated induction cooker. The lavatory and bathroom are separated, plus when set at 90 degrees, the door of the shower doubles as a divider between the living and sleeping area.

At the back you will find two steel doors that can hold two spare tyres and which gives you access to the quad garage. The quad garage is equipped with a automated lift platform. The lift platform is capable of easily loading 500 kg of cargo from the ground into the garage. The garage offers enough storage space for a full-size 4x4 quad.

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